

HB Radiofrequency 4G Collinear Antenna, 1710 to 2170 MHz

Product Code

VCOL-1721-8.N2

Polarisation

Vertical (V)

Design Type

Collinear

Application Category

Base Station
Small Cell

RF Category

Cellular



This multiband omnidirectional antenna operates 1710 to 2170 MHz covering 4G Private LTE cellular bands with a high 8.6 dBi gain and high radiation efficiency. This unobtrusive 32 mm \varnothing fibreglass antenna has a 3° electrical downtilt ideal for LTE small cell and in-fill deployments. Machined brass collinear radiators provide controlled azimuth and elevation patterns, ensuring predictable and reliable omnidirectional transmission. N and 4.3-10 Female connector options available

VCOL-1721-8 is a popular choice for Private LTE operating on B1, B2, B3, and B4. Its multiband collinear design permits common 2C carrier aggregation modes such as CA_1A-3A.

This antenna has a very sturdy design, manufactured from high impact, UV-stable PVC and machined mounting components.

- Ideal for LTE small cell deployment
- Extremely stable azimuth and elevation patterns
- Multiband performance across B3 1800, B2 1900, and B1 2100 MHz cellular bands
- N and 4.3-10 connector options available
- Excellent VSWR response
- High antenna efficiency.

Antenna Technical Data

Physical Characteristics

Construction Material	Polyvinyl Chloride (PVC) Aluminium	RF Connections	1
Radome Colour	Other - Grey	Environmental Rating	No Data
Dimensions	985 x 40 mm (H x ø)	Operating Temperature	-40 °C to 60 °C
Weight	0.6600 kg	Mounting	U-bolt, 30 to 80 mm ø pole

Collinear Cellular Element

Electrical Specifications		Mechanical Specifications	
Input Impedance	50 Ω	Input Connector	N
Polarisation	Vertical (V)	Input Connector Gender	Female
Max. Input Power	100 W	Cable Series	-
PIM, 3rd Order	-	Cable Length	-
Range: 1710 to 2170 MHz			
Peak Gain	8.60 dBi	Azimuth Beamwidth	360°
VSWR	< 1.5:1	Elevation Beamwidth	13°
Radiation Efficiency	-	Electrical Tilt	3°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-		



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